



PCT09

## RAW SEQUENCE LISTING

DATE: 02/07/2002

PATENT APPLICATION: US/09/926,009

TIME: 10:00:57

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02072002\I926009.raw

PS

3 <110> APPLICANT: Curstedt, Tore  
4       Johansson, Jan  
5       Jornvall, Hans  
6       Robertson, Bengt  
7       Ventura, Paolo  
9 <120> TITLE OF INVENTION: Artificial peptides having surface activity and the use  
thereof in the  
10       preparation of artificial surfactant  
12 <130> FILE REFERENCE: 211596US-3591-4158-0-PCT  
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/926,009  
C--> 15 <141> CURRENT FILING DATE: 2001-12-11  
17 <150> PRIOR APPLICATION NUMBER: IT MI99A000275  
18 <151> PRIOR FILING DATE: 1999-02-12  
20 <160> NUMBER OF SEQ ID NOS: 14  
22 <170> SOFTWARE: PatentIn version 3.1  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 101  
26 <212> TYPE: PRT  
27 <213> ORGANISM: ARTIFICIAL SEQUENCE  
29 <220> FEATURE:  
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35 <223> OTHER INFORMATION: X = Phe and may or may not be present  
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40 <222> LOCATION: (2)..(2)  
41 <223> OTHER INFORMATION: X = Gly and may or may not be present  
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47 <223> OTHER INFORMATION: X = Ser, Cys, Phe where Ser and Cys are optionally linked bia  
est  
48       er or thio-ester bonds with acyl groups containing 12 to 22 carb  
49       ons atoms linked  
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55 <223> OTHER INFORMATION: X = Ser, Cys, Phe where Ser and Cys are optionally linked bia  
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56       er or thio-ester bonds with acyl groups containing 12 to 22 carb  
57       ons atoms linked  
60 <220> FEATURE:

ENTERED

61 <221> NAME/KEY: MISC\_FEATURE  
62 <222> LOCATION: (13)..(13)

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63 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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68 <222> LOCATION: (14)..(14)  
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74 <222> LOCATION: (15)..(15)  
75 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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80 <222> LOCATION: (16)..(16)  
81 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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86 <222> LOCATION: (17)..(17)  
87 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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92 <222> LOCATION: (18)..(18)  
93 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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98 <222> LOCATION: (19)..(19)  
99 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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110 <222> LOCATION: (21)..(21)  
111 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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122 <222> LOCATION: (23)..(23)  
123 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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128 <222> LOCATION: (24)..(24)  
129 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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133 <221> NAME/KEY: MISC\_FEATURE  
134 <222> LOCATION: (25)..(25)  
135 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present

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144 <220> FEATURE:  
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146 <222> LOCATION: (27)..(27)  
147 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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152 <222> LOCATION: (28)..(28)  
153 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
156 <220> FEATURE:  
157 <221> NAME/KEY: MISC\_FEATURE  
158 <222> LOCATION: (29)..(29)  
159 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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164 <222> LOCATION: (30)..(30)  
165 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
168 <220> FEATURE:  
169 <221> NAME/KEY: MISC\_FEATURE  
170 <222> LOCATION: (31)..(31)  
171 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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175 <221> NAME/KEY: MISC\_FEATURE  
176 <222> LOCATION: (32)..(32)  
177 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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182 <222> LOCATION: (34)..(34)  
183 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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187 <221> NAME/KEY: MISC\_FEATURE  
188 <222> LOCATION: (35)..(35)  
189 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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193 <221> NAME/KEY: MISC\_FEATURE  
194 <222> LOCATION: (36)..(36)  
195 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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200 <222> LOCATION: (37)..(37)  
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205 <221> NAME/KEY: MISC\_FEATURE  
206 <222> LOCATION: (38)..(38)  
207 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
210 <220> FEATURE:

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Input Set : A:\PTO.VSK.txt  
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211 <221> NAME/KEY: MISC\_FEATURE  
212 <222> LOCATION: (39)..(39)  
213 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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217 <221> NAME/KEY: MISC\_FEATURE  
218 <222> LOCATION: (40)..(40)  
219 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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224 <222> LOCATION: (41)..(41)  
225 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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230 <222> LOCATION: (42)..(42)  
231 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
234 <220> FEATURE:  
235 <221> NAME/KEY: MISC\_FEATURE  
236 <222> LOCATION: (43)..(43)  
237 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
240 <220> FEATURE:  
241 <221> NAME/KEY: MISC\_FEATURE  
242 <222> LOCATION: (44)..(44)  
243 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
246 <220> FEATURE:  
247 <221> NAME/KEY: MISC\_FEATURE  
248 <222> LOCATION: (45)..(45)  
249 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
252 <220> FEATURE:  
253 <221> NAME/KEY: MISC\_FEATURE  
254 <222> LOCATION: (46)..(46)  
255 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
258 <220> FEATURE:  
259 <221> NAME/KEY: MISC\_FEATURE  
260 <222> LOCATION: (47)..(47)  
261 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
264 <220> FEATURE:  
265 <221> NAME/KEY: MISC\_FEATURE  
266 <222> LOCATION: (48)..(48)  
267 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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271 <221> NAME/KEY: MISC\_FEATURE  
272 <222> LOCATION: (49)..(49)  
273 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
276 <220> FEATURE:  
277 <221> NAME/KEY: MISC\_FEATURE  
278 <222> LOCATION: (50)..(50)  
279 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
282 <220> FEATURE:  
283 <221> NAME/KEY: MISC\_FEATURE

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Input Set : A:\PTO.VSK.txt  
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284 <222> LOCATION: (51)..(51)  
285 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
288 <220> FEATURE:  
289 <221> NAME/KEY: MISC\_FEATURE  
290 <222> LOCATION: (52)..(52)  
291 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
294 <220> FEATURE:  
295 <221> NAME/KEY: MISC\_FEATURE  
296 <222> LOCATION: (54)..(54)  
297 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
300 <220> FEATURE:  
301 <221> NAME/KEY: MISC\_FEATURE  
302 <222> LOCATION: (55)..(55)  
303 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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307 <221> NAME/KEY: MISC\_FEATURE  
308 <222> LOCATION: (56)..(56)  
309 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
312 <220> FEATURE:  
313 <221> NAME/KEY: MISC\_FEATURE  
314 <222> LOCATION: (57)..(57)  
315 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
318 <220> FEATURE:  
319 <221> NAME/KEY: MISC\_FEATURE  
320 <222> LOCATION: (58)..(58)  
321 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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325 <221> NAME/KEY: MISC\_FEATURE  
326 <222> LOCATION: (59)..(59)  
327 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
330 <220> FEATURE:  
331 <221> NAME/KEY: MISC\_FEATURE  
332 <222> LOCATION: (60)..(60)  
333 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
336 <220> FEATURE:  
337 <221> NAME/KEY: MISC\_FEATURE  
338 <222> LOCATION: (61)..(61)  
339 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
342 <220> FEATURE:  
343 <221> NAME/KEY: MISC\_FEATURE  
344 <222> LOCATION: (62)..(62)  
345 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
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349 <221> NAME/KEY: MISC\_FEATURE  
350 <222> LOCATION: (63)..(63)  
351 <223> OTHER INFORMATION: X = Val, Leu, Ile or Nle and may or may not be present  
354 <220> FEATURE:  
355 <221> NAME/KEY: MISC\_FEATURE  
356 <222> LOCATION: (64)..(64)

→ Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/926,009

DATE: 02/07/2002

TIME: 10:00:58

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\02072002\I926009.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:1068 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:1182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:1186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6